CLAIMS

The invention is claimed as follows:

1. A data recording and reproducing apparatus comprising: means for recording and reproducing divided data for recording a plurality of divided data obtained through dividing input data by a predetermined unit on a first non-linear accessible recording medium, while reproducing the divided data recorded on the first recording medium; and

means for recording and reproducing error-correcting-code data for generating a plurality of error-correcting-code data for the divided data to record the error-correcting-code data on a second non-linear accessible recording medium, while reproducing the error-correcting-code data recorded on the second non-linear accessible recording medium.

2. A data recording and reproducing apparatus according to claim 1, wherein:

the means for recording and reproducing divided data records the divided data on the respective first non-linear accessible recording media; and

the means for recording and reproducing error-correcting-code data records the error-correcting-code data on the respective second non-linear accessible recording media.

3. A data recording and reproducing apparatus according to claim 1, wherein the error-correcting-code data is Read-Solomon code data.

4. A data recording and reproducing apparatus according to claim 1, wherein the non-linear accessible recording medium is a hard disk.

45

5. A data recording and reproducing apparatus according to claim 1, further comprising error-correcting means for outputting the divided data which has been restored based on the divided data and the error-correcting-code data if the divided data to be reproduced is not obtained, the divided data being reproduced by the means for recording and reproducing the divided data and inputted to the error-correcting means, and the error-correcting-code data being reproduced by the means for recording and reproducing the error-correcting-code data and inputted to the error-correcting means.

6. An AV server comprising:

a plurality of input/output processing means for converting data including visual and audio data inputted from outside to data which can be recorded on a non-linear accessible recording medium, while outputting the data outputted from the recording medium after converting the data to data which can be outputted outside;

means for recording and reproducing divided data for recording a plurality of divided data obtained through dividing data outputted from each of the input/output processing means on a first non-linear accessible recording medium, while reproducing the divided data recorded on the first non-linear accessible recording medium; and means for recording and reproducing error-correcting-code data for generating a plurality of error-correcting-code data for the divided data to record the error-correcting-code data on a second non-linear accessible recording medium while reproducing the error-correcting-code data recorded on the second non-linear accessible recording medium..

7. A method of recording and reproducing data including: a first step of recording a plurality of divided data obtained through dividing input data by a predetermined unit on a first non-linear accessible recording medium, while generating a plurality of error-correcting-code data for the divided data to

5 record the error-correcting code data on a second non-linear accessible recording medium; and a second step of reproducing the divided data recorded on the first non-linear accessible recording medium in the first step, while reproducing the error-correcting-code data recorded on the second non-linear accessible recording medium.

10

8. A method of recording and reproducing data according to claim 7, wherein in the first step the divided data is recorded on the respective first non-linear accessible recording media, while the error-correcting-code data is recorded on the respective second non-linear accessible recording media.

15

9. A method of recording and reproducing data according to claim 7, wherein the error-correcting-code data is Read-Solomon code data.

10. A method of recording and reproducing data according to claim 7,

20 wherein the first and the second non-linear accessible recording media are hard disks.

11. A method of recording and reproducing data according to claim 7 further including a third step of outputting the divided data which has been

25 restored based on the divided data and the error-correcting-code data if the divided data to be reproduced is not obtained, the divided data and the error-correcting-code data being reproduced in the second step and inputted.

47